

IAP04Rec'd PCT 21 AUG 2008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Daniel Alvarez, Jr., Jeffrey J. Spiegelman, Joshua T. Cook, Tram Doan
Nguyen, Daniel A. Lev and Troy B. Scoggins

Application No.: 10/565,353 Group: 1793

Filed: March 23, 2006 Examiner: Vanoy, Timothy C.

Confirmation No: 5574

For: HYDRIDE GAS PURIFICATION FOR THE SEMICONDUCTOR
INDUSTRY



| | |
|---|-----------------------|
| CERTIFICATE OF MAILING OR TRANSMISSION | |
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on: | |
| 8/18/08 | <i>Krishna Love H</i> |
| Date | Signature |
| <i>Krishna Love H</i> | |
| Typed or printed name of person signing certificate | |

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment and a Supplemental Information Disclosure Statement for filing in the above-identified application.

- ☐ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a Small Entity Statement previously submitted.
- ☐ A Small Entity Statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.

The claims fee has been calculated as shown below:

| | | | | | SMALL ENTITY | | OTHER THAN SMALL ENTITY | | |
|--|----------------------------------|-------|---------------------------------|---------------|--------------|------------|-------------------------|------------|--------|
| | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NO. PREVIOUSLY PAID FOR | PRESENT EXTRA | RATE | ADDIT. FEE | RATE | ADDIT. FEE | |
| TOTAL | 25 | MINUS | * 21 | 4 | X \$ 25 | \$ | X 50 | \$ 200 | |
| INDEP | 4 | MINUS | ** 3 | 1 | X \$ 105 | \$ | X \$ 210 | \$ 210 | |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM | | | | | + | \$ 185 | \$ | + | \$ 370 |
| | | | | | TOTAL = \$ 0 | | TOTAL = \$ 410 | | |

* not fewer than 20
** not fewer than 3

The Application Size Fee has been calculated as shown below:

(Effective for cases filed on or after December 8, 2004)

| Actual Sheets (Including current amendment) | Highest No. of Sheets Paid For (At least 100) | No. of Additional Units Required (Increments of 50 sheets) | SMALL ENTITY | | OTHER THAN SMALL ENTITY | | Payment Sufficient for up to |
|---|---|--|--------------|-------------------|-------------------------|-------------------|------------------------------|
| | | | Rate | Total Amount Owed | Rate | Total Amount Owed | |
| 32 | 100 | | X \$130 | \$[] | X \$260 | \$[] | 100 Sheets |

Petition for Extension of Time

☐ Applicant hereby petitions to extend the time to respond to the [] dated [] for [] month(s) from [] to []. The appropriate fee is set forth below.

08/22/2008 MKAYPAGH 00000029 10565353

01 FC:1615
02 FC:1614

200.00 OP
210.00 OP

Please charge Deposit Account No. 08-0380 for the following fees:

| | | | |
|--------------------------|---|----|-------|
| <input type="checkbox"/> | Petition for [] month Extension of Time | \$ | _____ |
| <input type="checkbox"/> | Claims Fee | \$ | _____ |
| <input type="checkbox"/> | Application Size Fee | \$ | _____ |
| <input type="checkbox"/> | Other Fees: | \$ | _____ |
| | | \$ | _____ |
| | | \$ | _____ |
| TOTAL: | | \$ | _____ |

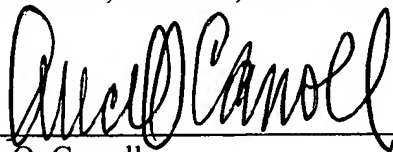
A check is enclosed in payment of the following fees:

| | | | |
|-------------------------------------|---|----|-------|
| <input type="checkbox"/> | Petition for [] month Extension of Time | \$ | _____ |
| <input checked="" type="checkbox"/> | Claims Fee | \$ | 410 |
| <input type="checkbox"/> | Application Size Fee | \$ | _____ |
| <input checked="" type="checkbox"/> | Other Fees: | | _____ |
| | Supplemental Information Disclosure Statement | \$ | 180 |
| | | \$ | _____ |
| TOTAL: | | \$ | 590 |

- ☒ Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. If this submission is in paper form, a copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By 
Alice O. Carroll
Registration No.: 33,542
Telephone (978) 341-0036
Facsimile (978) 341-0136

Concord, Massachusetts 01742-9133

Dated:

August 18, 2008

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Daniel Alvarez, Jr., Jeffrey J. Spiegelman, Joshua T. Cook, Tram Doan
Nguyen, Daniel A. Lev and Troy B. Scoggins

Application No.: 10/565,353

Group: 1793

Filed: March 23, 2006

Examiner: Vanoy, Timothy C.

Confirmation No: 5574

For: HYDRIDE GAS PURIFICATION FOR THE SEMICONDUCTOR
INDUSTRY



| | |
|---|-----------------------|
| CERTIFICATE OF MAILING OR TRANSMISSION | |
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on: | |
| 8/18/08 | <i>Kriston Love H</i> |
| Date | Signature |
| <i>Kriston Love H</i> | |
| Typed or printed name of person signing certificate | |

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment and a Supplemental Information Disclosure Statement for filing in the above-identified application.

- ☐ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a Small Entity Statement previously submitted.
- ☐ A Small Entity Statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.

The claims fee has been calculated as shown below:

| | CLAIMS REMAINING AFTER AMENDMENT | | HIGHEST NO. PREVIOUSLY PAID FOR | PRESENT EXTRA |
|--|---|-------|---------------------------------------|------------------|
| TOTAL | 25 | MINUS | * 21 | 4 |
| INDEP | 4 | MINUS | ** 3 | 1 |
| <input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM | | | | |

| SMALL ENTITY | | OR | OTHER THAN SMALL ENTITY | |
|--------------|---------------|----|----------------------------|---------------|
| RATE | ADDIT. FEE | | RATE | ADDIT. FEE |
| X \$25 | \$ | | X 50 | \$ 200 |
| X \$105 | \$ | | X \$210 | \$ 210 |
| + \$185 | \$ | | + \$370 | \$ |
| TOTAL = \$ 0 | | | TOTAL = \$ 410 | |

* not fewer than 20
** not fewer than 3

The Application Size Fee has been calculated as shown below:

(Effective for cases filed on or after December 8, 2004)

| Actual Sheets (Including current amendment) | Highest No. of Sheets Paid For (At least 100) | No. of Additional Units Required (Increments of 50 sheets) |
|--|--|---|
| 32 | 100 | |

| SMALL ENTITY | | OTHER THAN SMALL ENTITY | |
|--------------|-------------------------|----------------------------|-------------------------|
| Rate | Total Amount Owed | Rate | Total Amount Owed |
| X \$130 | \$[] | X \$260 | \$[] |

| Payment Sufficient for up to |
|------------------------------------|
| 100 Sheets |

Petition for Extension of Time

☐ Applicant hereby petitions to extend the time to respond to the [] dated [] for [] month(s) from [] to []. The appropriate fee is set forth below.

Please charge Deposit Account No. 08-0380 for the following fees:

| | | | |
|--------------------------|--|----|--|
| <input type="checkbox"/> | Petition for [] month Extension of Time | \$ | |
| <input type="checkbox"/> | Claims Fee | \$ | |
| <input type="checkbox"/> | Application Size Fee | \$ | |
| <input type="checkbox"/> | Other Fees: | \$ | |
| | | \$ | |
| | | \$ | |
| TOTAL: | | \$ | |

A check is enclosed in payment of the following fees:

| | | | |
|-------------------------------------|---|----|-----|
| <input type="checkbox"/> | Petition for [] month Extension of Time | \$ | |
| <input checked="" type="checkbox"/> | Claims Fee | \$ | 410 |
| <input type="checkbox"/> | Application Size Fee | \$ | |
| <input checked="" type="checkbox"/> | Other Fees: | | |
| | Supplemental Information Disclosure Statement | \$ | 180 |
| | | \$ | |
| TOTAL: | | \$ | 590 |

- ☒ Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. If this submission is in paper form, a copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

Alice O. Carroll

Registration No.: 33,542

Telephone (978) 341-0036

Facsimile (978) 341-0136

Concord, Massachusetts 01742-9133

Dated:

August 18, 2008